LMP-0601G-SFP-24 Series

6-Port Industrial PoE+ Gigabit Managed Ethernet Switches, w/ 4*10/100/1000Tx (30W/Port), 1*10/100/1000Tx Fast Ethernet, and 1*100/1000 SFP Slot, 12~36VDC
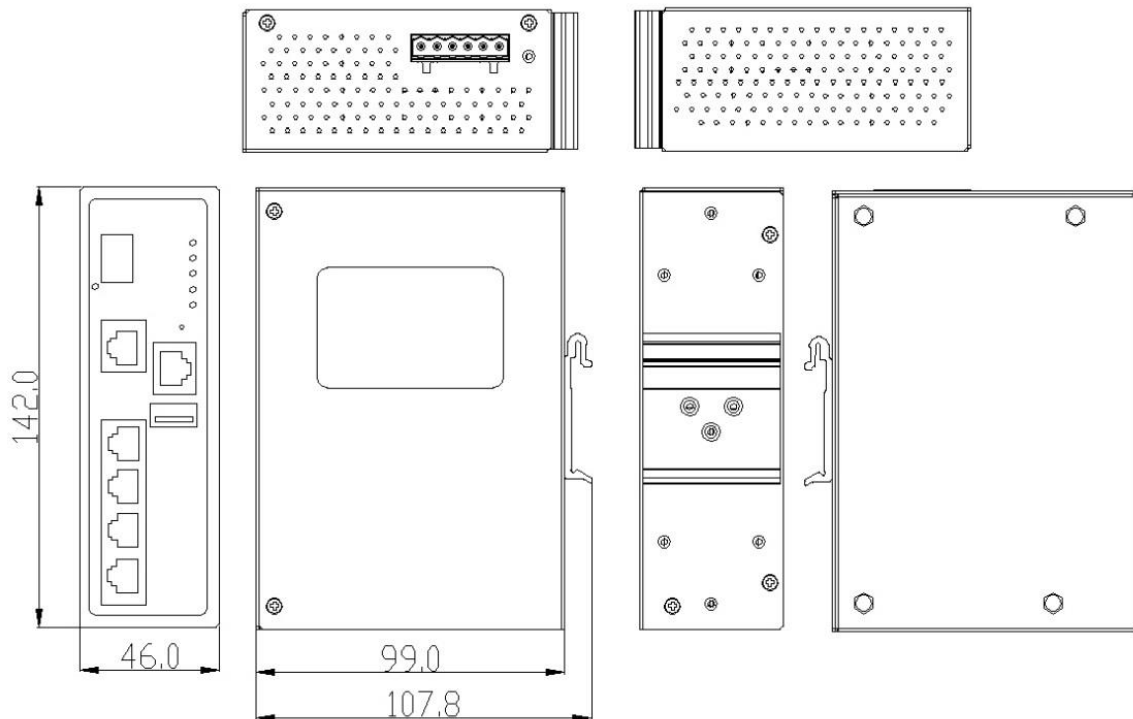
Features

► Supports 4*10/100/1000Tx IEEE 802.3at/af Compliant with 30W/Port, 1*10/100/1000Tx, + 1*100/1000 SFP Slot

► Network Redundancy Support: RSTP/MSTP, and G.8032 ERPS (Recovery Time <50ms)

► Configuration: Web Console, Telnet, CLI Command

► Supports IGMP v1/v2, up to 256 Groups

► Supports QoS (IEEE802.1p) and CoS/ToS

► Supports IEEE802.1Q VLAN, SNMP v1/v2c

► System Warning Setting for Automatic Warning through E-Mail

► Redundant Power Input Design: 12~36VDC (Voltage Booster)

► Housing: Metal IP 30 Rated; DIN-Rail and Wall Mount Support

► Operating Temperature - STD: -10~70C & EOT: -40~75C

► 5-Year Warranty

INTRODUCTION

Antaira's LMP-0601G-SFP-24 series is a 6-port industrial PoE+ gigabit managed Ethernet switch that is embedded with 4*10/100/1000Tx Ethernet ports that support IEEE802.3at/af for a maximum of 30 watts per port, 1*10/100/1000Tx Fast Ethernet port, and 1*100/1000 dual rate SFP slot for fiber connection.

LMP-0601G-SFP-24 series is a fully manageable industrial Ethernet switch pre-loaded with standard Layer 2 network management software, and supports a low voltage redundant power input range from 12~36VDC with a voltage booster. This product series is IP30 rated, DIN-rail mountable, and has two wide operating temperature models for either a standard temperature range (STD: -10°C to 70°C) or an extended temperature range (EOT: -40°C to 75°C). It also provides high EFT and ESD protection for any industrial networking application within factory automation, ITS, power/utility, water wastewater, and any other outdoor or harsh environment.

DIMENSIONS

142.0

46.0

99.0

107.8

antaira®

SPECIFICATIONS

Technology

Standards	IEEE 802.3 10Tx Ethernet IEEE 802.3u 100Tx Fast Ethernet IEEE 802.3ab 1000BaseT IEEE 802.3z 1000Base-X IEEE 802.3x Flow Control for Full Duplex IEEE 802.3at/af PoE (Power-over-Ethernet) IEEE 802.1d STP (Spanning Tree Protocol) IEEE 802.1w RSTP (Rapid Spanning Tree Protocol) IEEE 802.1s MSTP (Multiple Spanning Tree Protocol) ITU-TG.8032 / Y.1344 ERPS (Ethernet Ring Protection Switch) IEEE 802.1q Virtual LANs (VLAN) IEEE 802.1x Network Authentication IEEE 802.1ad Stacked VLAN, Q-in-Q IEEE 802.1p QoS/CoS Protocol for Traffic Prioritization

Switch Properties

Protocol	CSMA/CD,IGMPv1/v2,SNMPv1/v2,TFTP,SNTP,SMTP,RARP, Syslog
Network Configuration	Web Console, Telnet, CLI
Transfer Rate	14,880pps for 10Base-T Ethernet port 148,8800pps for 100Base-T Fast Ethernet port 1,488,000pps for Gigabit Ethernet Port
Packet Buffer	1 Mbits
MAC Table	8K
Jumbo Frame	9.6K
Flow Control	IEEE 802.3x for full duplex mode, back pressure for half duplex mode
VLAN Group	0 ~ 4094
IGMP Group	Up to 256 Groups

Port Interface

Ethernet RJ45 Port	5*10/100/1000BaseTx (30W/Port for Port 1~4), auto negotiation speed, Full/Half duplex mode, and auto MDI/MDI-X connection
Fiber Port	1* 100/1000 SFP Slot
Wavelength	Refer to SFP Modules
PoE Port Pin Assignment	V+, V+, V-, V-, for pin 1, 2, 3, 6 (Endspan, MDI Alternative A)
Serial Console	1*RS232 in RJ45 connector with console cable, 115.2Kbps, 8,N,1
Configuration Backup	1*USB 2.0

Protection

Overload Current	Present
Power Reverse Polarity	Present
CPU Watchdog	Present
Network Cable	10Base-T: 2-pair UTP/STP Cat. 3, 4, 5 cable; 100Base-TX: 2-pair UTP/STP Cat. 5 cable. EIA/TIA-568 100-ohm (100m) 1000BaseTX: UTP/STP Cat.5/5E cable; EIA/TIA-568 100-ohm (100m)

Mechanical Characteristics

LED Indicator	Per Unit: Power 1 & 2 (Green), Fault (Red)
Housing	Metal IP30 rated
Dimension	46 x 142 x 99 mm
Weight	Unit: 1.5 lbs.; Shipping: 2.3 lbs.
Mounting	DIN-Rail; Wall-mount (optional)

Power Requirement

Input Voltage	12~36VDC Redundant Input
Power Connection	1 removable 6-contact terminal block
PoE Power Output	30W per Port (Max)
Power Consumption	10W (no PD included); 145W @12~24VDC (Fully loaded)

Environmental Limits

Operating Temperature	STD: -10° to 70° C EOT: -40° to 75° C
Storage Temperature	-40°C ~ 85°C
Ambient Relative Humidity	5 to 95%, (non-condensing)

Regulatory Approvals

EMI	FCC Class A
EMS	EN61000-4-2,3,4,5,6,8, EN61000-6-2,4
Free Fall	IEC60068-2-32
Shock	IEC60068-2-27
Vibration	IEC60068-2-6
Green	RoHS Compliant
Certifications	FCC, CE, UL508 (Pending)
Warranty	5 Years

ORDERING INFO

LMP-0601G-SFP-24	6-Port Industrial PoE+ Gigabit Managed Ethernet Switch with 4*10/100/1000Tx (30W/Port), 1*10/100/1000Tx, and 1* 100/1000 SFP Slot; 12~36VDC
LMP-0601G-SFP-24-T	6-Port Industrial PoE+ Gigabit Managed Ethernet Switch with 4*10/100/1000Tx (30W/Port), 1*10/100/1000Tx, and 1* 100/1000 SFP Slot; 12~36VDC, EOT -40° to 75° C

Optional Accessories

MDR-60-24	60W Industrial Din Rail Power Supply, 24VDC
DR-75-24	75W Industrial Din Rail Power Supply, 24VDC
DR-120-24	120W Industrial Din Rail Power Supply, 24VDC
MDR-240-24	240W Industrial Din Rail Power Supply, 24VDC